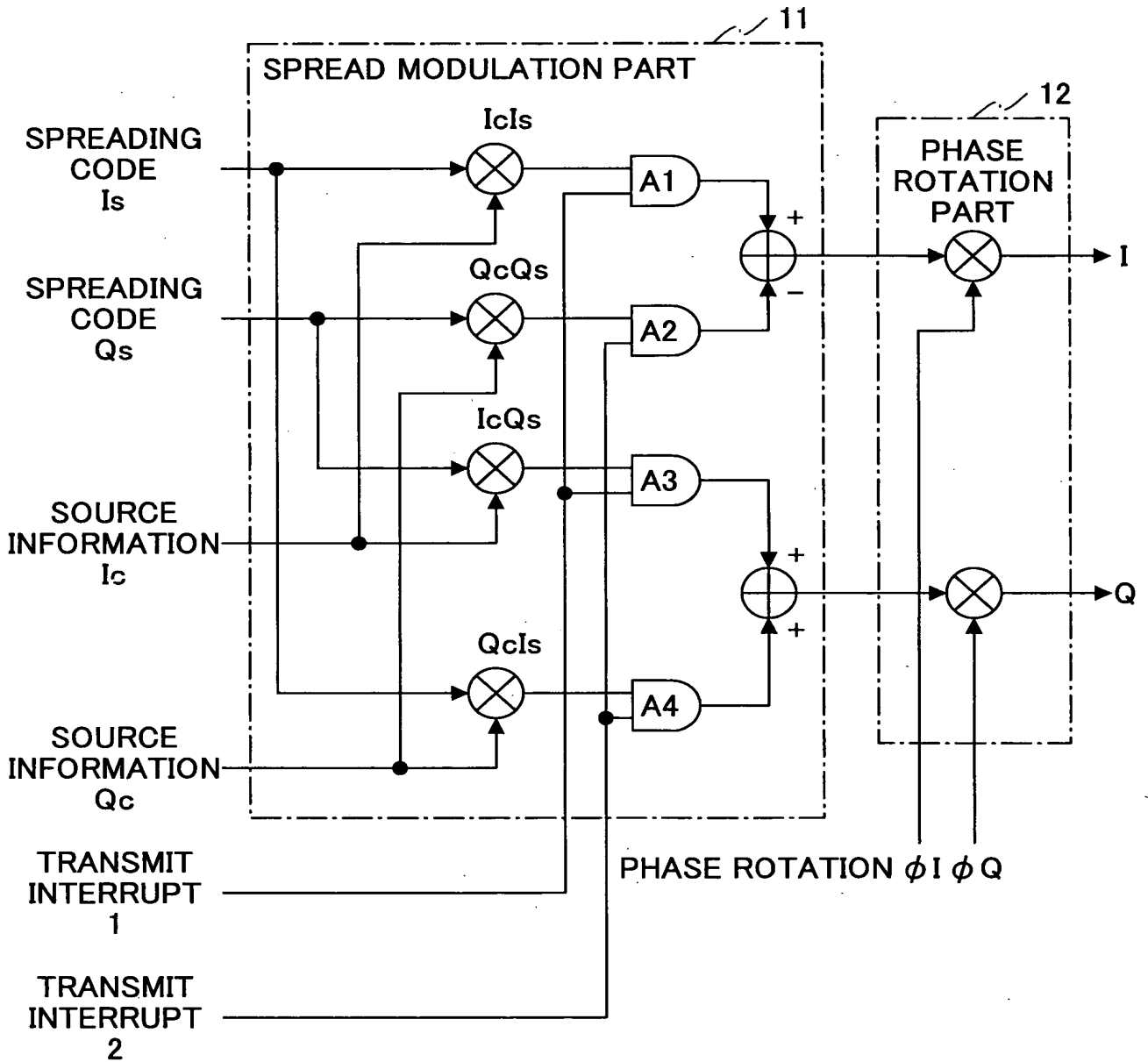


FIG.1A PRIOR ART



## FIG.1B PRIOR ART

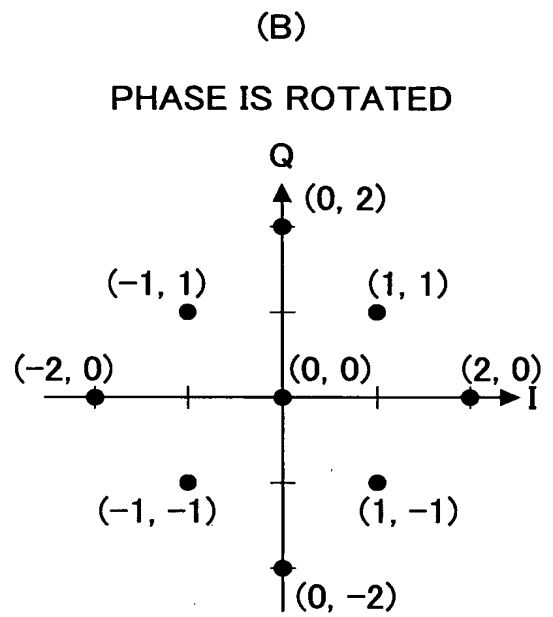
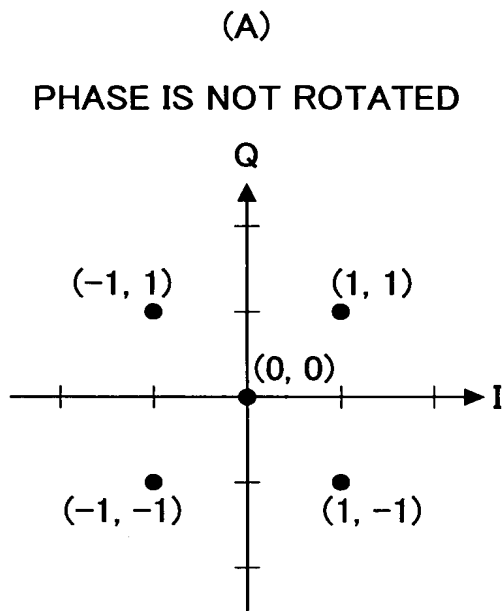


FIG.2

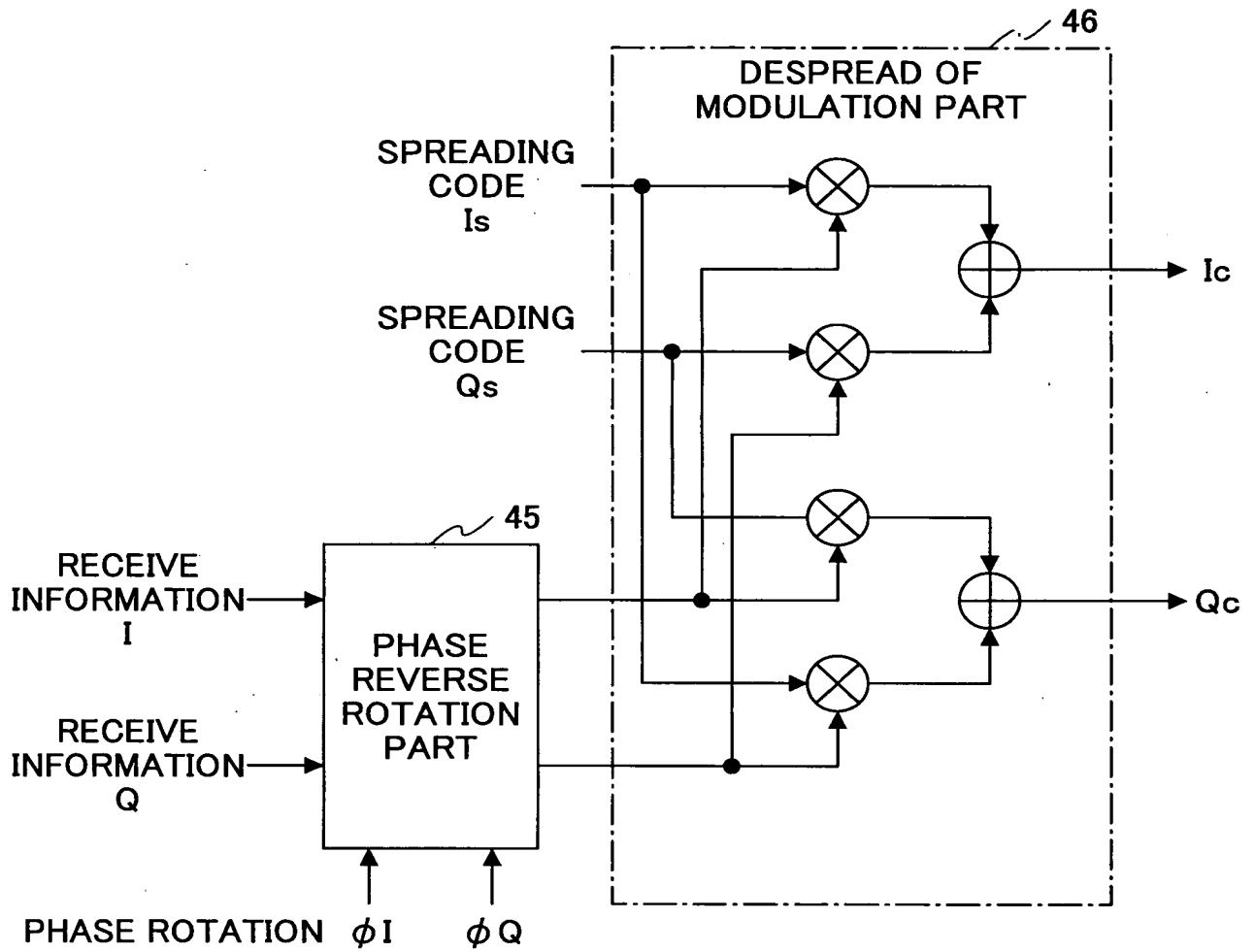


FIG.3A

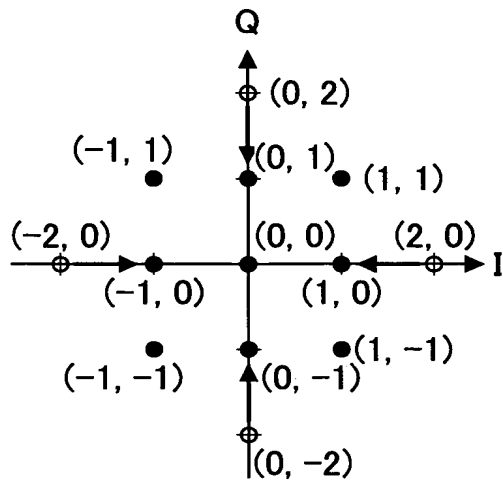


FIG.3B

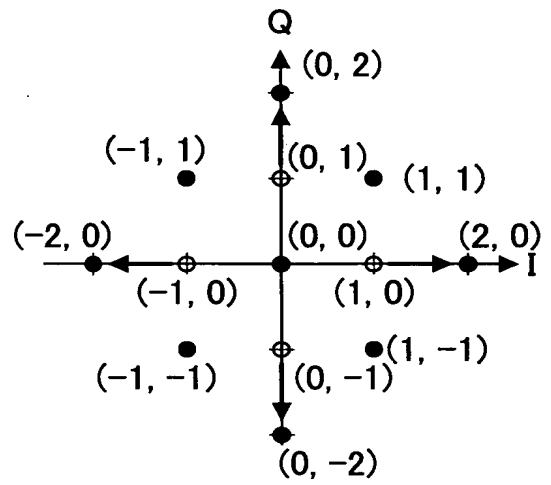


FIG.4

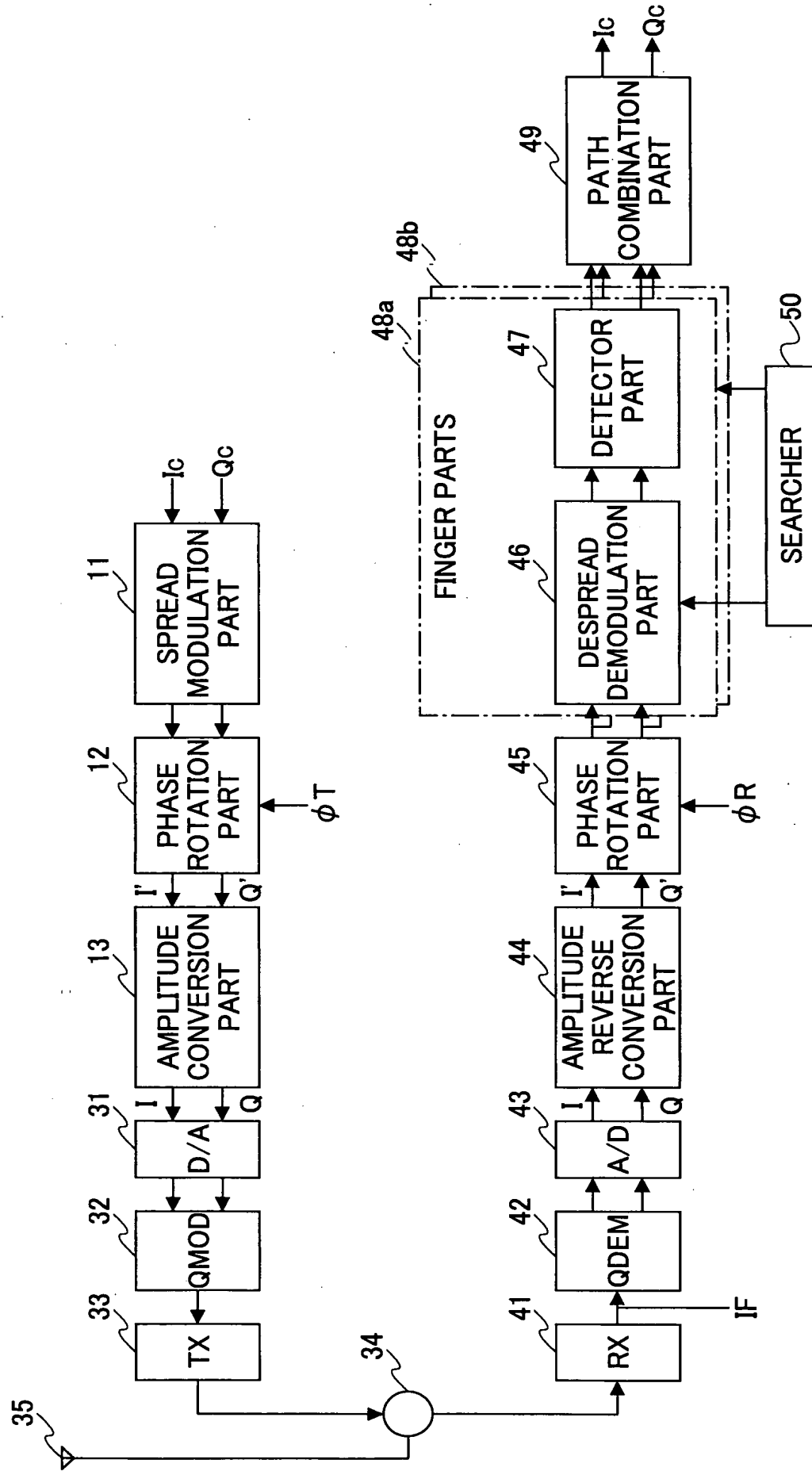


FIG.5A

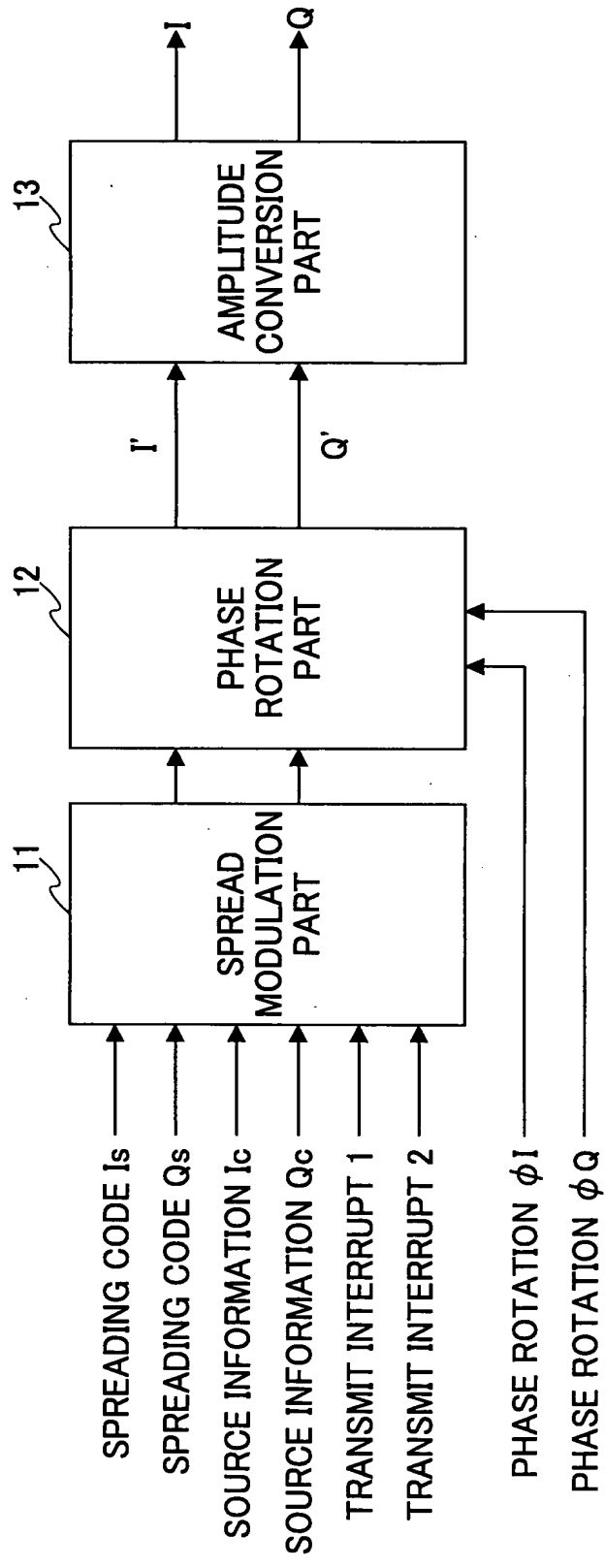


FIG.5B

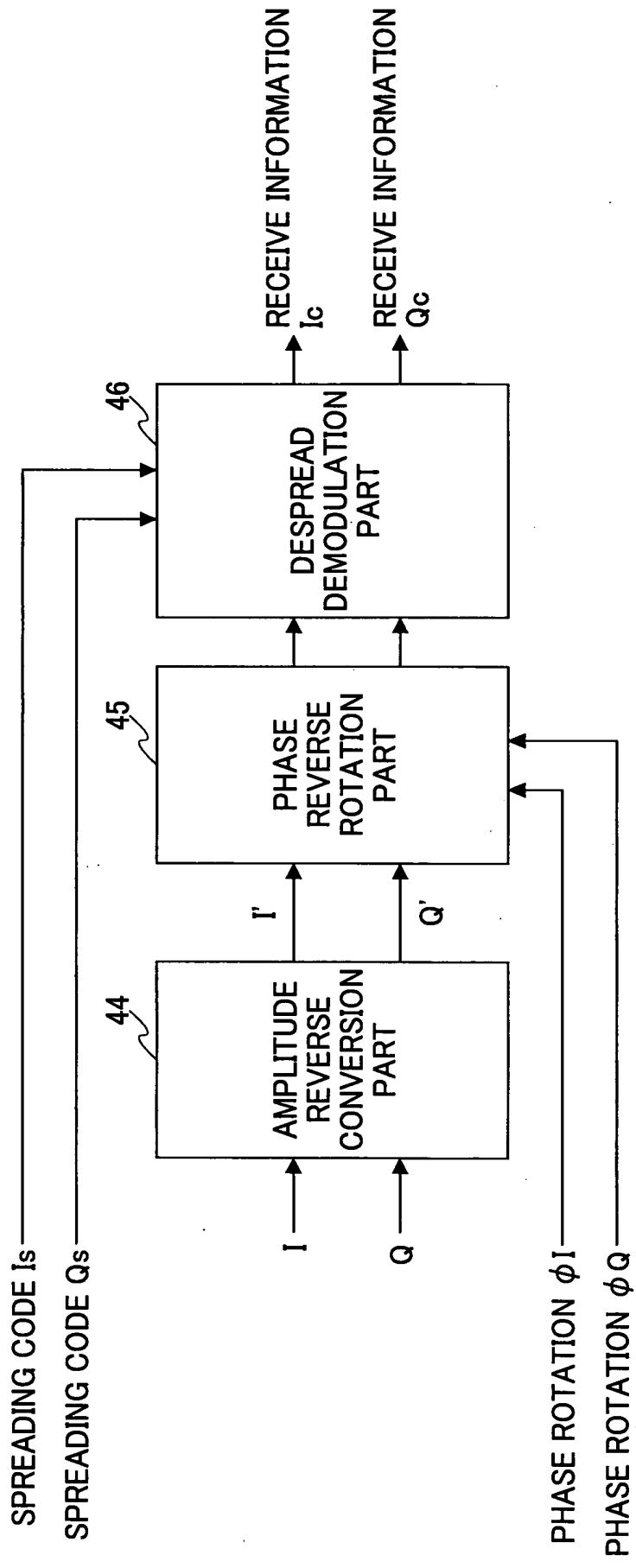


FIG.6A

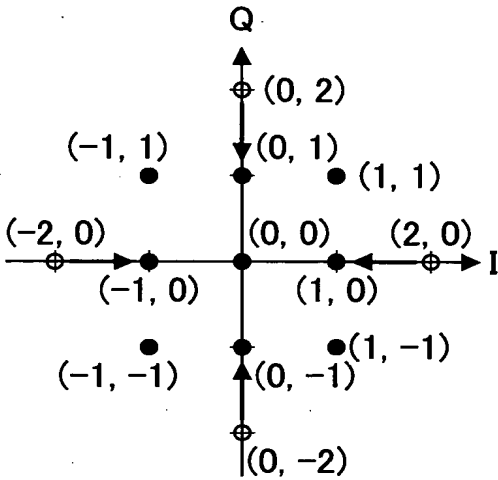


FIG.6B

CODE		INPUT						OUTPUT			
I	Q	SI	I1	I0	SQ	Q1	Q0	SI	I0	SQ	Q0
0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	0	0	0	0	0	1	0	0
1	1	0	0	1	0	0	1	0	1	0	1
0	2	0	0	0	0	1	0	0	0	0	1
-1	1	1	0	1	0	0	1	1	1	0	1
-2	0	1	1	0	0	0	0	1	1	0	0
-1	-1	1	0	1	1	0	1	1	1	1	1
0	-2	0	0	0	1	1	0	0	0	1	1
1	-1	0	0	1	1	0	1	0	1	1	1

FIG.6C

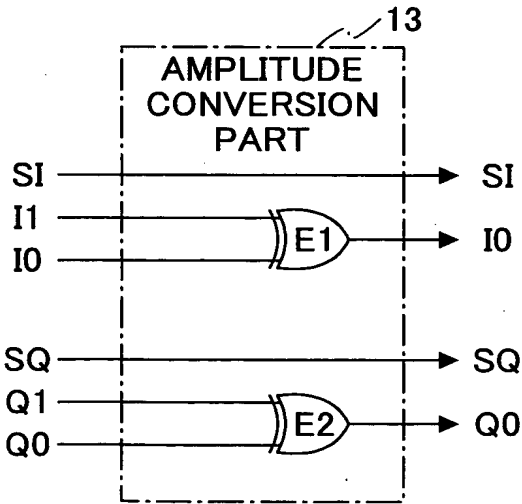




FIG.7A

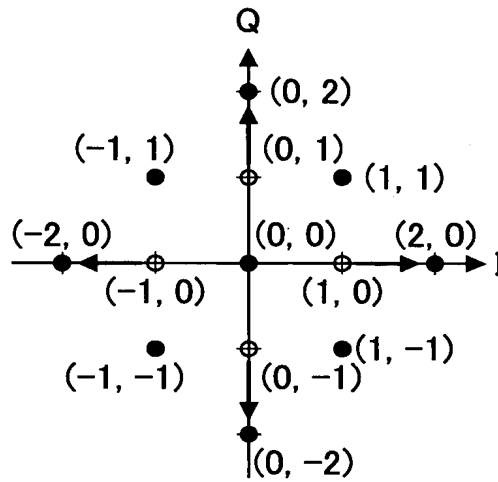


FIG.7B

INPUT				OUTPUT						CODE	
SI	I0	SQ	Q0	SI	I1	I0	SQ	Q1	Q0	I	Q
0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	1	0	0	0	0	2	0
0	1	0	1	0	0	1	0	0	1	1	1
0	0	0	1	0	0	0	0	1	0	0	2
1	1	0	1	1	0	1	0	0	1	-1	1
1	1	0	0	1	1	0	0	0	0	-2	0
1	1	1	1	1	0	1	1	0	1	-1	-1
0	0	1	1	0	0	0	1	1	0	0	-2
0	1	1	1	0	0	1	1	0	1	1	-1

FIG.7C

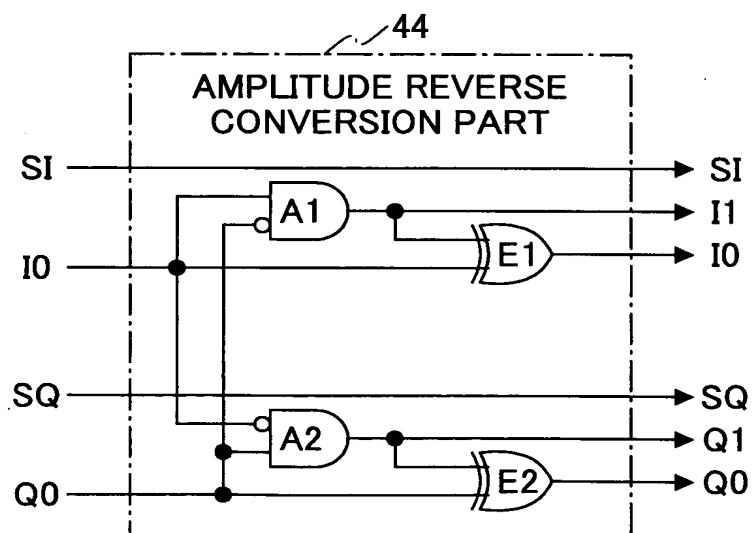


FIG.8A

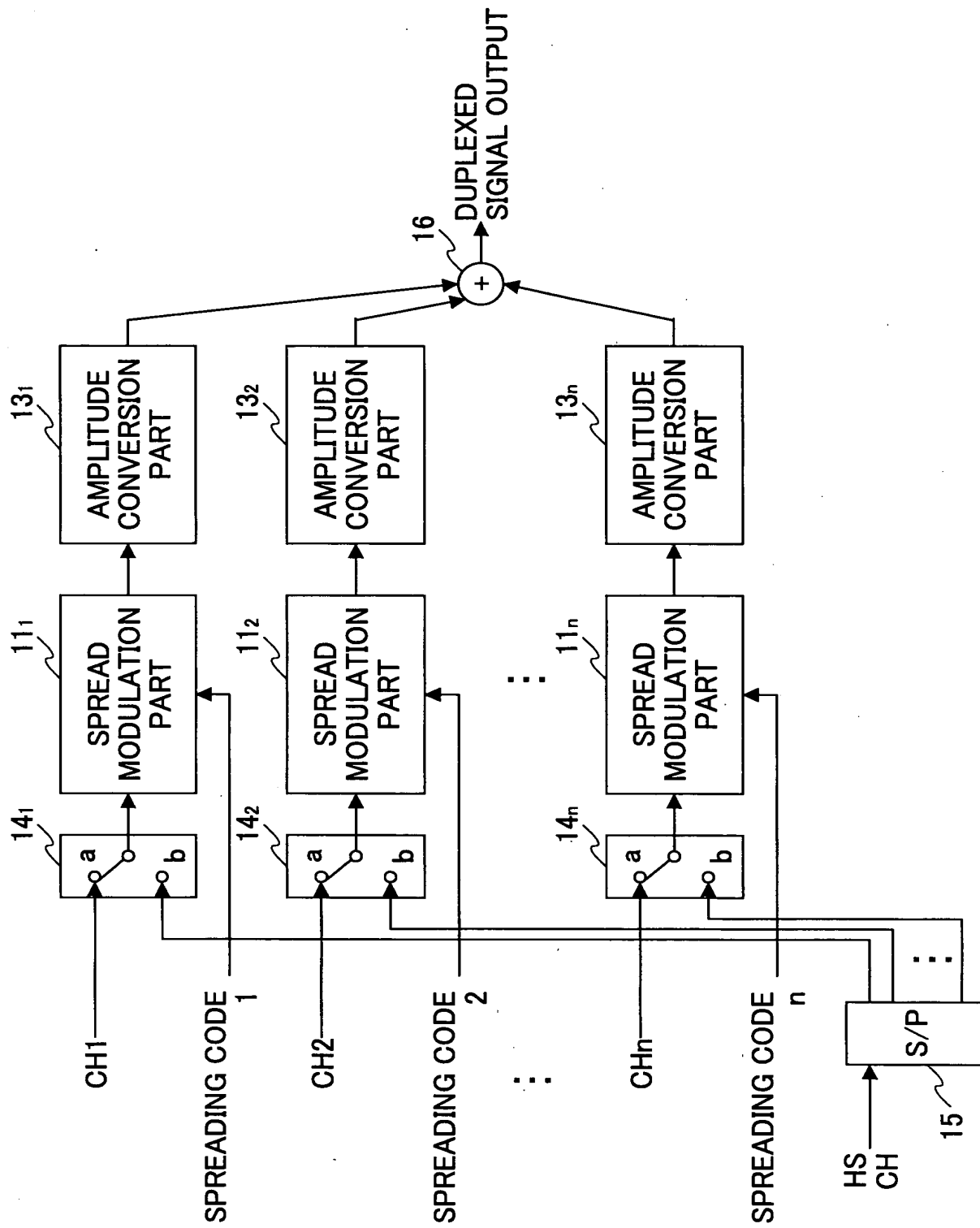


FIG.8B

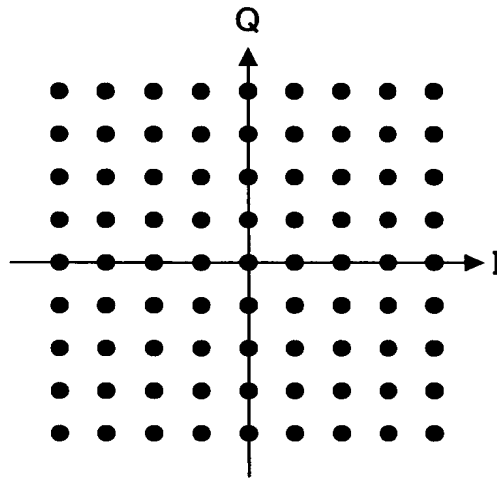


FIG.9

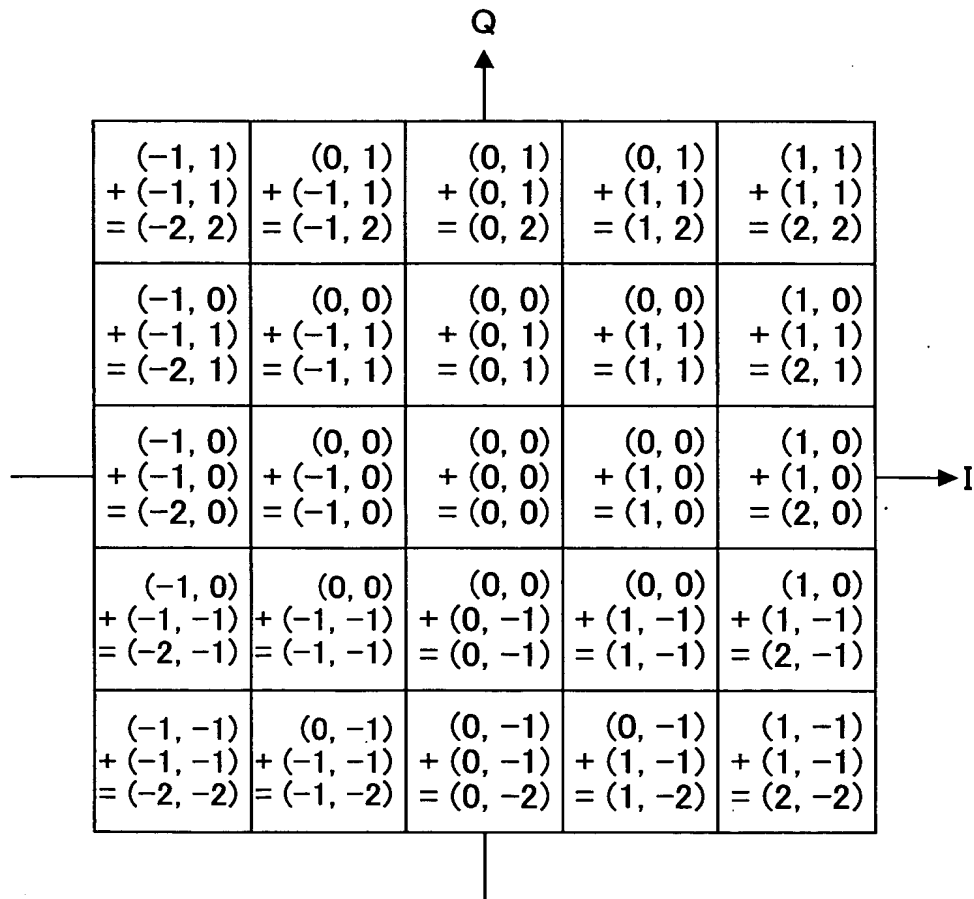
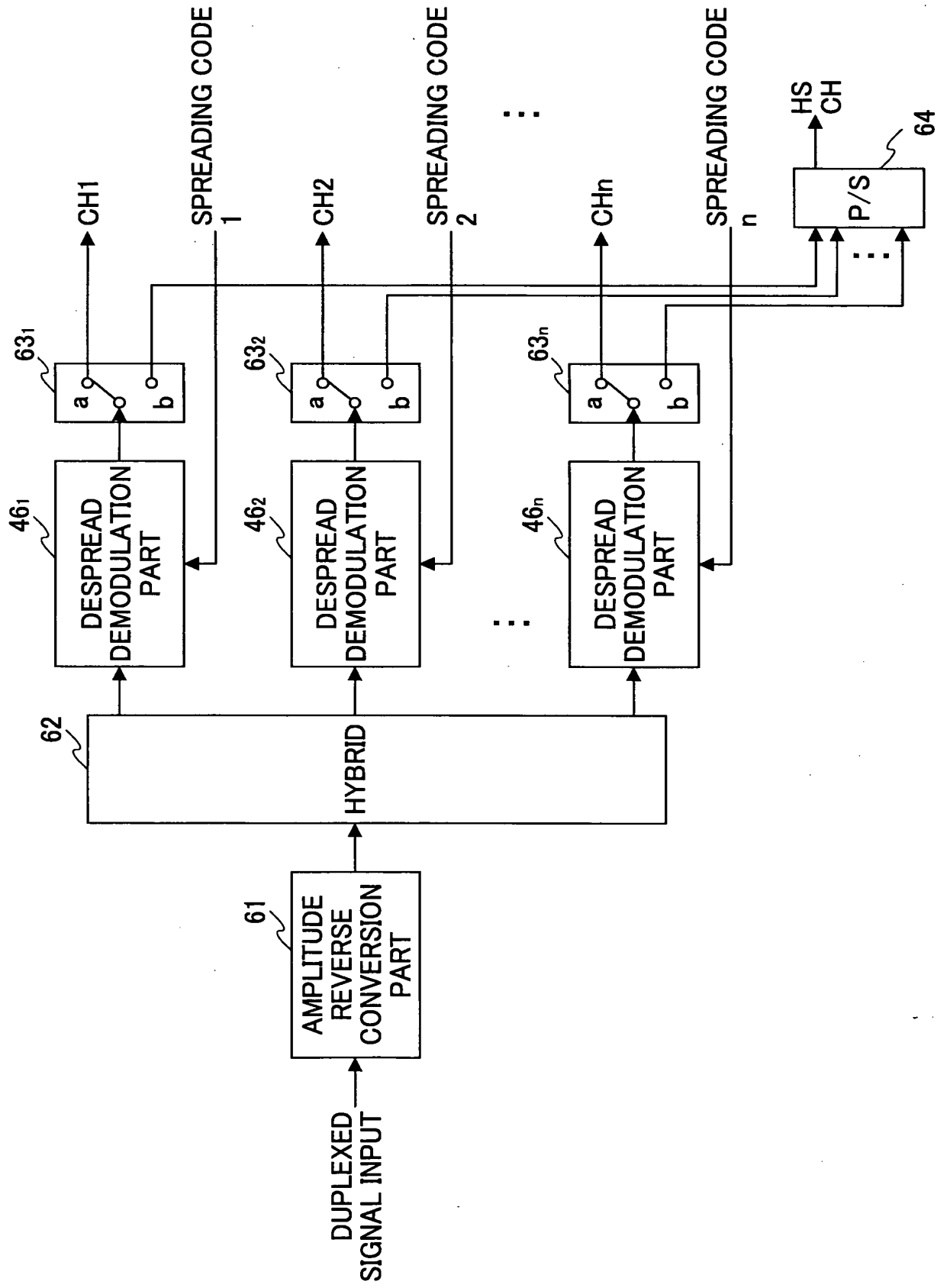


FIG.10A



## FIG.10B

$$(\pm N, 0) \rightarrow (\pm 2N, 0)$$

$$(0, \pm N) \rightarrow (0, \pm 2N)$$

FIG.11

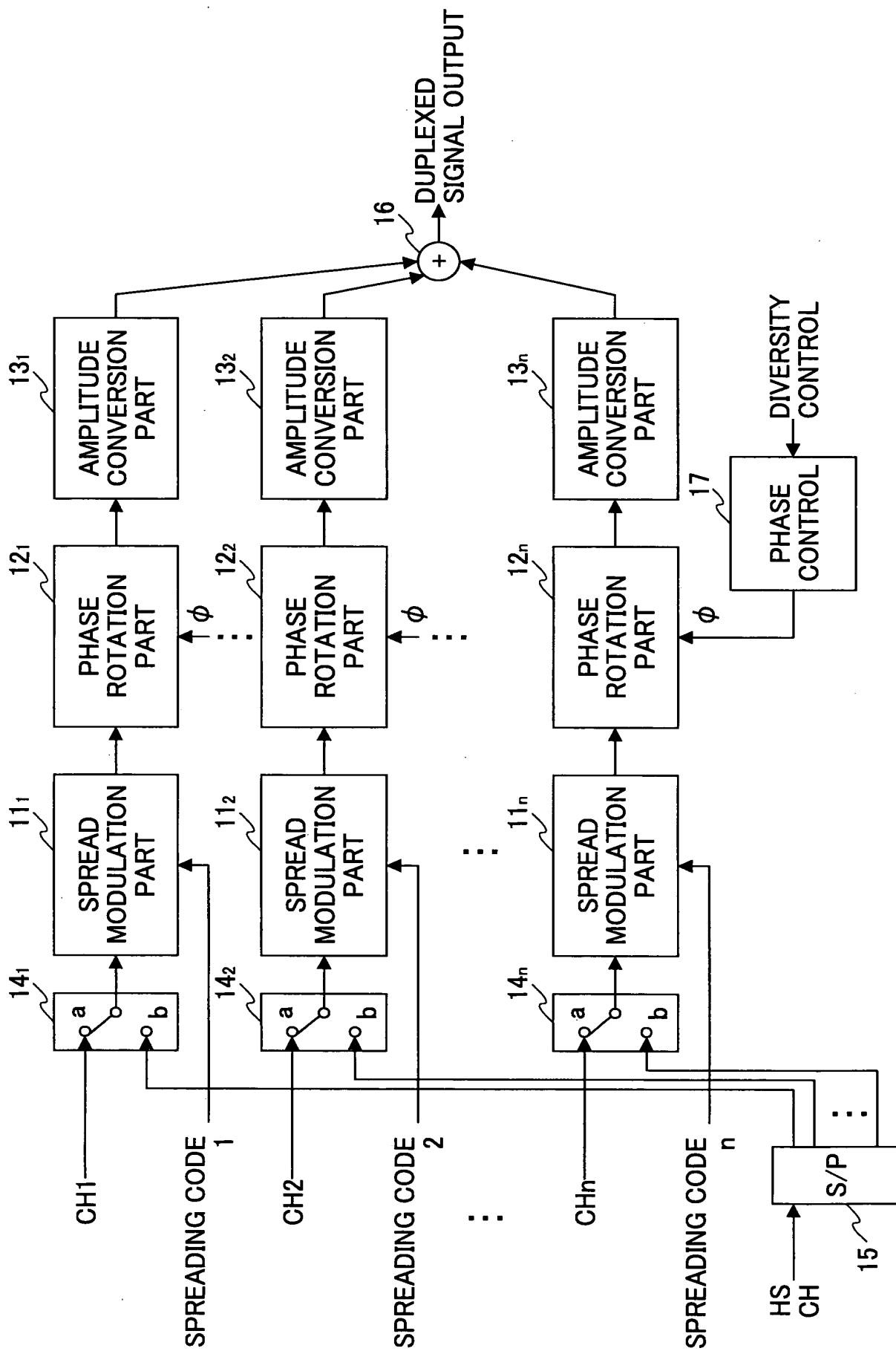


FIG.12A

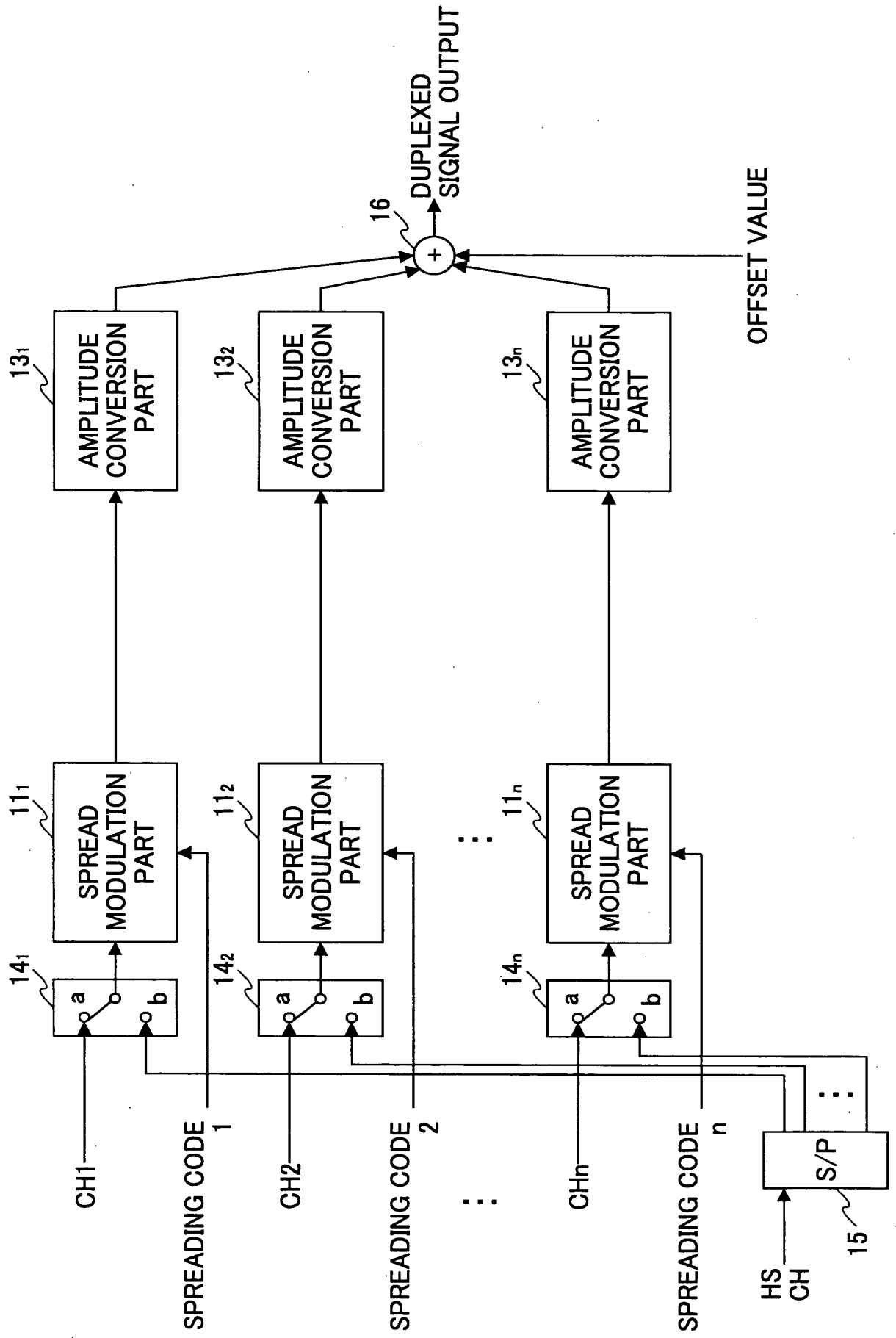


FIG.12B

